

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James O'Toole and John H. Jannotti  
Serial No.: Unassigned  
For: **METHODS AND APPARATUS FOR MAINTAINING A  
MAP OF NODE RELATIONSHIPS FOR A NETWORK**  
Filing Date: December 29, 2000  
Examiner: Unassigned  
Art Unit: Unassigned



UTILITY PATENT APPLICATION TRANSMITTAL

Certificate of Mailing Under 37 C.F.R. §1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

Date: December 29, 2000.

By: J. Scott Southworth  
(Typed or printed name of person mailing  
Document, whose signature appears below)

Express Mail Mailing  
Label No. EF208416923US

Signature: J. Scott Southworth

BOX PATENT APPLICATION  
Assistant Commissioner for  
Patents And Trademarks  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is a patent application entitled:

**METHODS AND APPARATUS FOR MAINTAINING A MAP  
OF NODE RELATIONSHIPS FOR A NETWORK**

**CERTIFICATION OF NON-PUBLICATION OF THIS APPLICATION**

**THIS APPLICATION HAS NOT AND WILL NOT BE THE SUBJECT OF AN APPLICATION FILED IN ANOTHER COUNTRY OR UNDER A MULTILATERAL INTERNATIONAL AGREEMENT, THAT REQUIRES PUBLICATION OF THE APPLICATION 18 MONTHS AFTER FILING.**

**Named Inventor(s) / Inventor Address(es) / Inventor Citizenship(s):**

James O'Toole  
15 Munroe Street  
Somerville, Massachusetts 02143

**Citizenship:** United States of America

John H. Jannotti  
233 Massachusetts Avenue  
Cambridge, Massachusetts 02139

**Citizenship:** United States of America

**Enclosed is/are:**

- [x] Transmittal Letter (this form, 4 Pages, IN DUPLICATE) Total 8 pages
- [x] **CERTIFICATION OF NON-PUBLICATION OF THIS APPLICATION**
- [x] Utility Patent Application Specification including Title of the Invention, Background of the Invention, Summary of the Invention, Brief Description of the Drawings, Detailed Description, 30 Claims ( 8 Independent, 22 dependent), Abstract of the Disclosure, Total Pages: 79.
- [x] Drawings: [x] Formal, [] Informal (Figs: 1, 2, 3A, 3B, 4, 5, 6), Total Sheets: 6.
- [x] Newly Executed Oath/Declaration/Power of Attorney, Total Pages: 6.
- [x] Assignment Papers (Recordation Cover Sheet 1 Page, Copy of Assignment Document, 6 Pages) Total Pages: 7.
- [x] Return Receipt Postage Pre-paid Postcard (in duplicate), Total postcards: 2.
- [x] Authorization to charge deposit account, if required.
- [x] Check in the amount of: \$1,330.00, with fee amounts calculated as follows:

CLAIMS	Number Filed	Number Extra	Rate	Calculations
Total Claims	30 - 20 =	10	x \$18	\$ 180.00
Independent Claims	8 - 3 =	5	x \$80	\$ 400.00
Multiple Independent Claims			+ 270 =	\$ 0.00
BASIC FILING FEE =				\$ 710.00
Total of Above Calculations =				\$1290.00
Assignment Recordation Fee =				\$ 40.00
TOTAL FEE FOR THIS PATENT APPLICATION =				\$1330.00

**Claim to Benefit of Filing Date of Earlier Filed Application:**

This patent application claims the benefit of the filing date of the following earlier filed co-pending provisional patent application:

Provisional Patent Application Serial Number 60/177,985, entitled "**FAST-CHANGING NETWORK STATUS AND LOAD MONITORING AND FEEDBACK**," filed on January 25, 2000, having Attorney Docket No. 2762.2005-000.

**Please direct all telephone calls and address all correspondence to:**

Barry W. Chapin, Esq.  
USPTO Registration No. 39,934  
CHAPIN & HUANG, L.L.C.  
Westborough Office Park  
1700 West Park Drive  
Westborough, Massachusetts 01581  
United States of America  
Tel: (508) 366-9600  
Fax: (508) 616-9805

If the enclosed fees are insufficient, the balance may be charged to the account of the undersigned, Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600, Westborough, Massachusetts.

Respectfully submitted,

By:   
J. Scott Southworth, Esq.  
Attorney for Applicants  
U.S.P.T.O. Registration No.: 39,382  
CHAPIN & HUANG, L.L.C.  
Westborough Office Park  
1700 West Park Drive  
Westborough, Massachusetts 01581  
Telephone: 508-366-9600  
Facsimile: 508-616-9805

Attorney's Docket No.: CIS00-3784

Dated: December 29, 2000